

CLAIMS

What is claimed is:

1. A sealing ring comprising:
a bearing ring with a radial flange and sealing sleeve, characterized in that at a free end of the sealing sleeve, the sealing sleeve is connected with a thickened, surrounding bulge.
2. The sealing ring according to Claim 1, characterized in that the bulge comprises a polymeric material.
3. The sealing ring according to Claim 1, characterized in that the sealing sleeve is fastened to a radial flange of the bearing ring with an intermediate layer.
4. The sealing ring according to Claim 1, characterized in that on a side radially facing away from a shaft to be sealed, the sealing sleeve has a peripherally surrounding flat covering.
5. The sealing ring according to Claim 4, characterized in that the intermediate layer and the covering are a single unit comprised of the same material.

6. The sealing ring according to Claim 4, characterized in that the covering is provided with ribs distributed over periphery of the covering.

7. The sealing ring according to Claim 4, characterized in that the covering is diffusion-resistant.

8. The sealing ring according to Claim 4, characterized in that the covering and the bulge are a single unit and comprised of the same material.

9. The sealing ring according to Claim 1, characterized in that the bulge is adhesively attached to the free end of the sealing sleeve.

10. The sealing ring according to Claim 4, characterized in that a ratio of the height (H) of the bulge to a thickness (D) of the covering is at least 4 and/or that a ratio of the height (H) to a width (B) of the bulge (6) is in the range of 0.5 to 5.

11. The sealing ring according to Claim 1, characterized in that the bulge has at least one lip-shaped projection extending radially inward, said projection being closed and surrounding a shaft in a sealing manner.

12. The sealing ring according to Claim 11, characterized in that on a side radially facing the shaft, the sealing sleeve is provided with at least one back-

feeding groove for back-feeding a medium to be sealed in a direction of a space to be sealed off.

13. The sealing ring according to Claim 12, characterized in that a depth and/or a width and/or a slope of the back-feeding groove is variable along the sealing sleeve.

14. The sealing ring according to Claim 11, characterized in that at the free end of the sealing sleeve, the projection closes the back-feeding groove in a sealing manner.

15. The sealing ring according to Claim 1, characterized in that the bearing ring is provided with an axial flange which on a side radially facing away from a shaft is connected with a radial flange; and that a periphery of the axial flange is surrounded by a static sealing region.

16. The sealing ring according to Claim 15, characterized in that the covering and the static sealing region comprise a polymeric material.

17. The sealing ring according to Claim 15, characterized in that the covering and the static sealing region are made as a unit and comprise the same material.

18. The sealing ring according to Claim 15, characterized in that the covering and the static sealing region comprise different materials.

19. The sealing ring according to Claim 1, characterized in that the sealing sleeve comprises a PTFE compound.

20. The sealing ring according to Claim 1, characterized in that the free end of the sealing sleeve is curved axially in the direction of a space to be sealed off.

21. The sealing ring according to Claim 1, characterized in that the free end of the sealing sleeve is curved axially in the direction of its surroundings.

22. A housing lid comprising:
a sealing ring according to Claim 1, the sealing ring being integrated into the housing lid.